

Fusheng Wen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5663340/publications.pdf>

Version: 2024-02-01

94
papers

4,576
citations

126708

33
h-index

106150

65
g-index

96
all docs

96
docs citations

96
times ranked

6250
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable growth of multilayered XSe_2 ($X = W$ and Mo) for nonlinear optical and optoelectronic applications. <i>2D Materials</i> , 2022, 9, 015012.	2.0	2
2	Ultrasensitive biochemical sensors based on controllably grown films of high-density edge-rich multilayer WS_2 islands. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131081.	4.0	5
3	Broadband light absorption and photoresponse enhancement in monolayer WSe_2 crystal coupled to Sb_2O_3 microresonators. <i>Nano Research</i> , 2022, 15, 4653-4660.	5.8	5
4	Well-controlled Core-shell structures based on Fe_3O_4 nanospheres coated by polyaniline for highly efficient microwave absorption. <i>Applied Surface Science</i> , 2022, 591, 153176.	3.1	35
5	Flexible Aramid Nanofiber/Bacterial Cellulose/Graphene Papers with Nickel Nanoparticles for Enhanced Electromagnetic Interference Shielding and Joule Heating Performance. <i>ACS Applied Nano Materials</i> , 2022, 5, 5589-5598.	2.4	14
6	Multifunctional Bacterial Cellulose Nanofibers/Polypyrrole (PPy) Composite Films for Joule Heating and Electromagnetic Interference Shielding. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2552-2560.	2.0	14
7	High-performance flexible all-solid-state micro-supercapacitors based on two-dimensional $InSe$ nanosheets. <i>Journal of Power Sources</i> , 2021, 482, 228987.	4.0	10
8	Grain-boundary-rich polycrystalline monolayer WS_2 film for attomolar-level Hg^{2+} sensors. <i>Nature Communications</i> , 2021, 12, 3870.	5.8	42
9	Magnetism and microwave absorption properties of two-dimensional layered ferromagnetic metal Fe_3GeTe_2 . <i>Journal of Materials Science</i> , 2021, 56, 16524-16532.	1.7	3
10	Photoemission oscillation in epitaxially grown van der Waals $\hat{I}^2-In_2Se_3WS_2$ heterobilayer bubbles*. <i>Chinese Physics B</i> , 2021, 30, 117901.	0.7	0
11	In Situ Grown Ultrafine RuO_2 Nanoparticles on GeP_5 Nanosheets as the Electrode Material for Flexible Planar Micro-Supercapacitors with High Specific Capacitance and Cyclability. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47560-47571.	4.0	11
12	High microwave absorption performance of NiS_2/rGO nanocomposites with a thin thickness. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 157, 110222.	1.9	35
13	High-sensitivity and versatile plasmonic biosensor based on grain boundaries in polycrystalline $1L WS_2$ films. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113596.	5.3	13
14	Polypyrrole coated 3D flower MoS_2 composites with tunable impedance for excellent microwave absorption performance. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161487.	2.8	38
15	Two-dimensional layered materials $InSe$ nanoflakes/carbon nanotubes composite for flexible all-solid-state supercapacitors. <i>Journal of Materials Science</i> , 2020, 55, 2947-2957.	1.7	7
16	Direct one-step synthesis of $CoFe_x@Co@C$ hybrids derived from a metal organic framework for a lightweight and high-performance microwave absorber. <i>Nanotechnology</i> , 2020, 31, 095703.	1.3	4
17	Room-temperature electric field modulation of magnetization in a helimagnet. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 025001.	1.3	5
18	Pressure Effect on Order-Disorder Ferroelectric Transition in a Hydrogen-Bonded Metal-Organic Framework. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9566-9571.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Facile preparation of carbon nanosheet frameworks/magnetic nanohybrids with heterogeneous interface as an excellent microwave absorber. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155586.	2.8	14
20	Application of hard ceramic materials B ₄ C in energy storage: Design B ₄ C@C core-shell nanoparticles as electrodes for flexible all-solid-state micro-supercapacitors with ultrahigh cyclability. <i>Nano Energy</i> , 2020, 75, 104947.	8.2	47
21	High-Performance Aqueous Asymmetric Supercapacitors Based on Microwave-Synthesized Self-Supported NiCo ₂ O ₄ Nanograss and Carbide-Derived Carbon. <i>ChemistrySelect</i> , 2020, 5, 2865-2870.	0.7	10
22	Photodetection application of one-step synthesized wafer-scale monolayer MoS ₂ by chemical vapor deposition. <i>2D Materials</i> , 2020, 7, 025020.	2.0	13
23	Facile preparation of CoS ₂ nanoparticles embedded into polyaniline with tunable electromagnetic wave absorption performance. <i>Materials Chemistry and Physics</i> , 2020, 246, 122835.	2.0	31
24	Enhanced microwave absorption properties of MnS ₂ microspheres interspersed with carbon nanotubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 502, 166432.	1.0	13
25	Influence of van der Waals epitaxy on phase transformation behaviors in 2D heterostructure. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	7
26	High-Performance Broadband Photodetectors of Heterogeneous 2D Inorganic Molecular Sb ₂ O ₃ /Monolayer MoS ₂ Crystals Grown via Chemical Vapor Deposition. <i>Advanced Optical Materials</i> , 2020, 8, 2000168.	3.6	17
27	Carbonaceous photonic crystals prepared by high-temperature/hydrothermal carbonization as high-performance microwave absorbers. <i>Journal of Materials Science</i> , 2019, 54, 14343-14353.	1.7	6
28	Layered porous materials indium triphosphide InP ₃ for high-performance flexible all-solid-state supercapacitors. <i>Journal of Power Sources</i> , 2019, 438, 227010.	4.0	17
29	Lateral Bilayer MoS ₂ -WS ₂ Heterostructure Photodetectors with High Responsivity and Detectivity. <i>Advanced Optical Materials</i> , 2019, 7, 1900815.	3.6	65
30	Microwave absorption properties of heterostructure composites of two dimensional layered magnetic materials and graphene nanosheets. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	23
31	Simple preparation and excellent microwave attenuation property of Fe ₃ O ₄ - and FeS ₂ - decorated graphene nanosheets by liquid-phase exfoliation. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151881.	2.8	13
32	One-step growth of wafer-scale monolayer tungsten disulfide via hydrogen sulfide assisted chemical vapor deposition. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	13
33	Photoluminescence and Raman Spectra Oscillations Induced by Laser Interference in Annealing-Created Monolayer WS ₂ Bubbles. <i>Advanced Optical Materials</i> , 2019, 7, 1801373.	3.6	21
34	Effect of layer and stacking sequence in simultaneously grown 2H and 3R WS ₂ atomic layers. <i>Nanotechnology</i> , 2019, 30, 345203.	1.3	16
35	One-Step Growth of Spatially Graded Mo _x W _x S ₂ Monolayers with a Wide Span in Composition (from $x = 0$ to 1) at a Large Scale. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20979-20986.	4.0	12
36	Direct large-scale fabrication of C-encapsulated B ₄ C nanoparticles with tunable dielectric properties as excellent microwave absorbers. <i>Carbon</i> , 2019, 148, 504-511.	5.4	30

#	ARTICLE	IF	CITATIONS
37	Accelerated Degradation of CrCl ₃ Nanoflakes Induced by Metal Electrodes: Implications for Remediation in Nanodevice Fabrication. ACS Applied Nano Materials, 2019, 2, 1597-1603.	2.4	9
38	Atomically Resolving Polymorphs and Crystal Structures of In ₂ Se ₃ . Chemistry of Materials, 2019, 31, 10143-10149.	3.2	71
39	Static and dynamic characteristics of magnetism in permalloy oval nanoring by micromagnetic simulation. Journal of Magnetism and Magnetic Materials, 2019, 474, 301-304.	1.0	15
40	Microwave absorbing properties of two dimensional materials GeP ₅ enhanced after annealing treatment. Applied Physics Letters, 2019, 114, .	1.5	24
41	Liquid-exfoliation of S-doped black phosphorus nanosheets for enhanced oxygen evolution catalysis. Nanotechnology, 2019, 30, 035701.	1.3	32
42	Enhanced electromagnetic wave absorption properties of NiCo ₂ nanoparticles interspersed with carbon nanotubes. Journal of Magnetism and Magnetic Materials, 2019, 471, 185-191.	1.0	18
43	Grain wall boundaries in centimeter-scale continuous monolayer WS ₂ film grown by chemical vapor deposition. Nanotechnology, 2018, 29, 255705.	1.3	14
44	Facile-synthesized carbonaceous photonic crystals/magnetic particle nanohybrids with heterostructure as an excellent microwave absorber. Journal of Alloys and Compounds, 2018, 741, 814-820.	2.8	25
45	Layer structured bismuth selenides Bi ₂ Se ₃ and Bi ₃ Se ₄ for high energy and flexible all-solid-state micro-supercapacitors. Nanotechnology, 2018, 29, 085401.	1.3	16
46	Enhanced Microwave Absorption Properties of FeNi Nanocrystals Decorating Reduced Graphene Oxide. Physica Status Solidi (B): Basic Research, 2018, 255, 1700553.	0.7	10
47	Enhanced Stability of Black Phosphorus Field-Effect Transistors via Hydrogen Treatment. Advanced Electronic Materials, 2018, 4, 1700455.	2.6	19
48	Superior microwave absorption properties of ultralight reduced graphene oxide/black phosphorus aerogel. Nanotechnology, 2018, 29, 235604.	1.3	41
49	Microwave Synthesized In ₂ S ₃ @CNTs with Excellent Properties in Lithium-Ion Battery and Electromagnetic Wave Absorption. Chinese Journal of Chemistry, 2018, 36, 157-161.	2.6	20
50	Two-dimensional materials and one-dimensional carbon nanotube composites for microwave absorption. Nanotechnology, 2018, 29, 025704.	1.3	71
51	Facile Synthesis of Carbon-Encapsulated Ni Nanoparticles Embedded into Porous Graphite Sheets as High-Performance Microwave Absorber. ACS Sustainable Chemistry and Engineering, 2018, 6, 16179-16185.	3.2	15
52	Metallic layered germanium phosphide GeP ₅ for high rate flexible all-solid-state supercapacitors. Journal of Materials Chemistry A, 2018, 6, 19409-19416.	5.2	31
53	Metal-organic framework derived cobalt phosphosulfide with ultrahigh microwave absorption properties. Nanotechnology, 2018, 29, 405703.	1.3	30
54	Synthesis of peanut-like hierarchical manganese carbonate microcrystals via magnetically driven self-assembly for high performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 3923-3931.	5.2	65

#	ARTICLE	IF	CITATIONS
55	SnS ₂ Nanoflakes Anchored Graphene obtained by Liquid Phase Exfoliation and MoS ₂ Nanosheet Composites as Lithium and Sodium Battery Anodes. <i>Electrochimica Acta</i> , 2017, 227, 203-209.	2.6	57
56	Fabrication of NiCo ₂ -Anchored Graphene Nanosheets by Liquid-Phase Exfoliation for Excellent Microwave Absorbers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12673-12679.	4.0	111
57	Highly sensitive and fast monolayer WS ₂ phototransistors realized by SnS nanosheet decoration. <i>Nanoscale</i> , 2017, 9, 1916-1924.	2.8	39
58	Facile synthesis and excellent electrochemical performance of CoP nanowire on carbon cloth as bifunctional electrode for hydrogen evolution reaction and supercapacitor. <i>Science China Materials</i> , 2017, 60, 1179-1186.	3.5	42
59	Strain Release Induced Novel Fluorescence Variation in CVD-Grown Monolayer WS ₂ Crystals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34071-34077.	4.0	17
60	Microwave absorption characteristics of CH ₃ NH ₃ PbI ₃ perovskite/carbon nanotube composites. <i>Journal of Materials Science</i> , 2017, 52, 13023-13032.	1.7	31
61	Microwave Absorption Properties of CoS ₂ Nanocrystals Embedded into Reduced Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28868-28875.	4.0	215
62	Flexible Black-Phosphorus Nanoflake/Carbon Nanotube Composite Paper for High-Performance All-Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44478-44484.	4.0	89
63	Ultrahigh-Gain and Fast Photodetectors Built on Atomically Thin Bilayer Tungsten Disulfide Grown by Chemical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42001-42010.	4.0	26
64	Fabrication of multifunctional carbon encapsulated Ni@NiO nanocomposites for oxygen reduction, oxygen evolution and lithium-ion battery anode materials. <i>Science China Materials</i> , 2017, 60, 947-954.	3.5	29
65	Improved photoresponse and stable photoswitching of tungsten disulfide single-layer phototransistor decorated with black phosphorus nanosheets. <i>Journal of Materials Science</i> , 2017, 52, 11506-11512.	1.7	15
66	Magnetoresistance and Anomalous Hall Effect with Pt Spacer Thickness in the Spin-Valve Co/Pt/[Co/Pt] ₂ Multilayers. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 533-538.	0.8	9
67	Flexible All-Solid-State Supercapacitors based on Liquid-Exfoliated Black-Phosphorus Nanoflakes. <i>Advanced Materials</i> , 2016, 28, 3194-3201.	11.1	290
68	Microwave Synthesized Three-dimensional Hierarchical Nanostructure CoS ₂ /MoS ₂ Growth on Carbon Fiber Cloth: A Bifunctional Electrode for Hydrogen Evolution Reaction and Supercapacitor. <i>Electrochimica Acta</i> , 2016, 212, 941-949.	2.6	93
69	Dynamic susceptibility of onion in ferromagnetic elliptical nanoring. <i>AIP Advances</i> , 2016, 6, .	0.6	15
70	Te-Doped Black Phosphorus Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 9408-9415.	11.1	241
71	Structure evolution and microwave absorption properties of nickel nanoparticles incorporated carbon spheres. <i>Materials Research Bulletin</i> , 2016, 84, 445-448.	2.7	36
72	Hydrogen evolution reaction performance of the molybdenum disulfide/nickel-phosphorus composites in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18942-18952.	3.8	30

#	ARTICLE	IF	CITATIONS
73	Carbon-Encapsulated Co ₃ O ₄ @CoO@Co Nanocomposites for Multifunctional Applications in Enhanced Long-life Lithium Storage, Supercapacitor and Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , 2016, 220, 322-330.	2.6	68
74	Liquidâ€‘Exfoliated Black Phosphorous Nanosheet Thin Films for Flexible Resistive Random Access Memory Applications. <i>Advanced Functional Materials</i> , 2016, 26, 2016-2024.	7.8	161
75	Enhanced Photoresponse of SnSe-Nanocrystals-Decorated WS ₂ Monolayer Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4781-4788.	4.0	91
76	Gate tunable WSe ₂ â€‘BP van der Waals heterojunction devices. <i>Nanoscale</i> , 2016, 8, 3254-3258.	2.8	60
77	Microwave synthesis of SnS ₂ nanoflakes anchored graphene foam for flexible lithium-ion battery anodes with long cycling life. <i>Materials Letters</i> , 2016, 174, 24-27.	1.3	31
78	Fabrication of carbon encapsulated Co ₃ O ₄ nanoparticles embedded in porous graphitic carbon nanosheets for microwave absorber. <i>Carbon</i> , 2015, 89, 372-377.	5.4	114
79	Carbonaceous photonic crystals as ultralong cycling anodes for lithium and sodium batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13786-13793.	5.2	19
80	Peanut shell derived hard carbon as ultralong cycling anodes for lithium and sodium batteries. <i>Electrochimica Acta</i> , 2015, 176, 533-541.	2.6	236
81	Gate tunable MoS ₂ â€‘black phosphorus heterojunction devices. <i>2D Materials</i> , 2015, 2, 034009.	2.0	61
82	Chemical Vapor Synthesized WS ₂ -Embedded Polystyrene-derived Porous Carbon as Superior Long-term Cycling Life Anode Material for Li-ion Batteries. <i>Electrochimica Acta</i> , 2015, 153, 49-54.	2.6	33
83	Controlled Incorporation of Ni(OH) ₂ Nanoplates Into Flowerlike MoS ₂ Nanosheets for Flexible Allâ€‘state Supercapacitors. <i>Advanced Functional Materials</i> , 2014, 24, 6700-6707.	7.8	145
84	Microwave absorption properties of multiwalled carbon nanotube/FeNi nanopowders as light-weight microwave absorbers. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 343, 281-285.	1.0	74
85	Superstructural nanodomains of ordered carbon vacancies in nonstoichiometric ZrC _{0.61} . <i>Journal of Materials Research</i> , 2012, 27, 1230-1236.	1.2	28
86	Microwave dielectric and magnetic properties of superparamagnetic 8-nm Fe ₃ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2471-2475.	1.0	17
87	Investigation on Microwave Absorption Properties for Multiwalled Carbon Nanotubes/Fe/Co/Ni Nanopowders as Lightweight Absorbers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14025-14030.	1.5	448
88	Microwave electromagnetic properties of multiwalled carbon nanotubes filled with Co nanoparticles. <i>Journal of Applied Physics</i> , 2009, 106, 103922.	1.1	33
89	Microwave-absorbing properties of shape-optimized carbonyl iron particles with maximum microwave permeability. <i>Physica B: Condensed Matter</i> , 2009, 404, 3567-3570.	1.3	103
90	Microwave absorption properties of the hierarchically branched Ni nanowire composites. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	75

#	ARTICLE	IF	CITATIONS
91	Synthesis and characterization of polystyrene-grafted magnetite nanoparticles. <i>Colloid and Polymer Science</i> , 2008, 286, 837-841.	1.0	18
92	Analyses on double resonance behavior in microwave magnetic permeability of multiwalled carbon nanotube composites containing Ni catalyst. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	123
93	Microwave permeability spectra of flake-shaped FeCuNbSiB particle composites. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	98
94	Pressure Control of the Structure and Multiferroicity in a Hydrogen-Bonded Metal-Organic Framework. <i>Inorganic Chemistry</i> , 0, , .	1.9	4